

CS
12-16-13

NPDES Number	Regulator Location	Receiving Water	Latitude	Longitude	Current Status
001	East Shore WPAF	New Haven Harbor	41°16'53.522"N	72°54'31.904"W	Active
002	E.T. Grasso Boulevard @ Lamberton St	N/A - West River	41°17'20.836"N	72°56'26.903"W	Closed
003	E.T. Grasso Boulevard @ Orange Av	West River	41°17'50.171"N	72°57'1.984"W	Active
004	E.T. Grasso Boulevard @ Legion Av	West River	41°18'20.067"N	72°57'13.518"W	Active
005	E.T. Grasso Boulevard @ Derby Av	West River	41°18'36.579"N	72°57'15.769"W	Active
005 (A)	University Place	West River	41°18'36.579"N	72°57'15.769"W	Active
005 (B)	Elm/University Place	West River	41°18'36.579"N	72°57'15.769"W	Active
006	Whalley Av @ Fitch St	West River	41°19'30.292"N	72°57'26.302"W	Active
007*	N/A - Munson St @ Canal St	N/A	41°19'17.332"N	72°55'46.923"W	Closed
008	Munson St @ Orchard St	Mill River	41°19'28.364"N	72°56'15.601"W	Active
009	Grande Av @ James St	Mill River	41°18'30.553"N	72°54'21.301"W	Active
010	East St @ I-91 (2 Weirs/ 2 Regulators)	Mill River	41°18'51.599"N	72°54'31.317"W	Active
010 (A)	East St @ I-91 (2 Weirs/ 2 Regulators)	Mill River	41°18'51.779"N	72°54'33.15"W	Active
011	Humphrey St @ I-91	Mill River	41°18'47.975"N	72°54'26.313"W	Active
012	Mitchell Dr east of Nicoll St	Mill River	41°19'21.732"N	72°54'21.829"W	Active
013	Everit St @ East Rock Rd	Mill River	41°19'49.392"N	72°54'32.936"W	Active
013(A)	East Rock Rd @ Everitt St	Mill River	41°19'49.683"N	72°54'33.789"W	Active
014	Trumbull St @ Orange St	Mill River	41°18'47.975"N	72°54'26.313"W	Active
015	James St Siphon	Quinnipiac River	41°18'3.559"N	72°54'7.658"W	Active
016	Poplar St @ River St	Quinnipiac River	41°18'6.472"N	72°53'45.738"W	Active
017*	N/A - Grand Av @ Front St	N/A - Quinnipiac River	41°18'33.085"N	72°53'18.784"W	Closed
018	Lombard St @ North Front St	Quinnipiac River	41°18'59.41"N	72°53'13.446"W	Closed
019	Pine St @ North Front St	Quinnipiac River	41°18'47.941"N	72°53'14.377"W	Active
020	Quinnipiac Av @ Clifton St	Quinnipiac River	41°18'35.997"N	72°53'8.299"W	Active
021	East St Pump Station	New Haven Harbor	41°17'49.235"N	72°54'38.727"W	Active
021 (A)	Chapel/Hamilton	New Haven Harbor	41°17'49.235"N	72°54'38.727"W	Closed
022	Allen Place	New Haven Harbor via Ditch	41°17'18.652"N	72°53'47.699"W	Closed
023*	Chestnut St @ Water St	N/A - New Haven Harbor	41°18'3.878"N	72°54'55.11"W	Closed
024	Boulevard Pump Station (Sea St)	New Haven Harbor	41°16'58.072"N	72°55'30.522"W	Active
025	Union Pump Station (Union & State St)	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	Active
025 (A)	Elm/University Place	New Haven Harbor	41°17'45.063"N	72°54'58.333"W	Active
025 (B)	Grove/Whitney	New Haven Harbor	41°17'45.063"N	72°54'58.333"W	Closed
026	Humphrey Pump Station	Mill River	41°18'48.153"N	72°54'29.399"W	Active
027	East / Ives	Mill River	41°18'19.535"N	72°54'28.408"W	Closed
028	Mitchell Pump Station	Mill River	41°19'22.381"N	72°54'23.908"W	Active
029	Barnes Pump Station	Quinnipiac River	41°19'37.67"N	72°52'47.296"W	Closed
030	Quinnipiac Pump Station	Quinnipiac River	41°19'0.568"N	72°52'41.263"W	Closed
031	S. Frontage / Davenport	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	Closed
032	Port Sea / Liberty	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	Active
033	Carlisle / Liberty	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	Closed
034	George / Temple	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	Active
035	Woodward Pump Station (Fort Hale)	New Haven Harbor	41°16'13.35"N	72°54'6.288"W	Closed
	Greene St	New Haven Harbor	41°17'48.7"N	72°54'48.022"W	Active
	Middletown/Front	Quinnipiac River	41°19'15.21"N	72°53'25.754"W	Closed
*	State/James	Mill River	41°18'59.297"N	72°54'19.267"W	Closed
NOTES:					
- All Latitudes and Longitudes are given where the pipe meets the receiving waters.					
- The final conveyance pipe at point of discharge may be considered a storm drain or a sanitary pipe.					
- The ultimate outfall pipe may also have a separate storm drain outfall NPDES number associated with it.					
* CSO Outfalls 007, 017, 023, and CC-051 were eliminated prior to GNHWPCA and not included in NPDES Permit.					
+ Active + These Cross Connections are believed to be closed. Performing Inspections & obtaining documentation.					

GNHWPCA - NPDES Status CSO OUTFALLS

NPDES #	Regulator Location	Receiving Water	Latitude	Longitude Status	Current
003	E.T. Grasso Boulevard @ Orange Av	West River	41°17'50.171"N	72°57'1.984"W	Active
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019	Pine St @ North Front St	Quinnipiac River	41°18'47.941"N	72°53'14.377"W	Active
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021	East St Pump Station	New Haven Harbor	41°17'49.235"N	72°54'38.727"W	Active
021 (A)	Chapel/Hamilton	New Haven Harbor	41°17'49.235"N	72°54'38.727"W	Active
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025	Union Pump Station (Union & State St)	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	Active
025 (A)	Elm/University Place	New Haven Harbor	41°17'45.063"N	72°54'58.333"W	Active
025 (B)	Grove/Whitney	New Haven Harbor	41°17'45.063"N	72°54'58.333"W	Active
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028	Mitchell Pump Station	Mill River	41°19'22.381"N	72°54'23.908"W	Active
031	S. Frontage/Davenport	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	+ Active
032	Port Sea/Liberty	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	+ Active
033	Carlisle/Liberty	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	+ Active
034	George/Temple	New Haven Harbor	41°17'45.066"N	72°54'58.338"W	Active
	Greene St	New Haven Harbor	41°17'48.7"N	72°54'48.022"W	Active
	Middletown/Front	Quinnipiac River	41°19'15.21"N	72°53'25.754"W	Active

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+ Active - These Cross Connections are believed to be closed. Performing Inspections & obtaining documentation.

JR 12-16-2013

GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY
CSO LONG TERM CONTROL PLAN ANNUAL STATUS REPORT
June 30, 2013

1997 EXISTING CONDITIONS MODEL							2007 MODEL UPDATE				2013 STATUS				FACILITIES PLAN & LONG TERM CONTROL PLAN GOAL			
NPDES PERMIT CSO REFERENCE NO.	NO. OF CSO OUTFALLS	NO. OF CSO REGULATOR LOCATIONS	CSO REGULATOR LOCATION	CSO RECEIVING WATER	1997 CSO REGULATOR STATUS	1997 EXISTING CONDITIONS MODEL ¹ 2-YEAR DESIGN STORM CSO VOLUME (MG)	CSO LTCP CAPITAL IMPROVEMENTS 1997-2007	2007 CSO REGULATOR STATUS	2007 EXISTING CONDITONS MODEL ² 2- YEAR DESIGN STORM CSO VOLUME (MG)	REDUCTION 1997- 2007 CSO VOLUME (MG)	NPDES PERMIT CSO REFERENCE NO.	PROPOSED NPDES PERMIT CSO REF. NO.	CSO LTCP CAPITAL IMPROVEMENTS & NOTES 2007-2013	2013 CSO REGULATOR STATUS	2011 CSO LTCP PROPOSED CAPITAL IMPROVEMENTS	2011 CSO LTCP FINAL CSO STATUS	2011 CSO LTCP FUTURE CONDITIONS MODEL ² 2-YEAR DESIGN STORM CSO VOLUME (MG)	
CSO 001	1	1	East Shore WPAF	New Haven Harbor	Active			Active			CSO 001	CSO 001		Active	Wet Weather Improvements	Active w/ Treatment		
CSO 002	2	2	E.T.G. Boulevard @ Lamberton Street	West River	Active	1.1		Closed	0.0	1.1	CSO 002			Closed		Closed	0.0	
CSO 003	3	3	E.T.G.Boulevard @ Orange Avenue	West River	Active	4.3		Active	3.1	1.2	CSO 003	CSO 003		Active	CSO Storage Tank	Inactive	0.0	
CSO 004	4	4	E.T.G. Boulevard @ Legion Avenue	West River	Active	6.1		Active	6.1	0.0	CSO 004	CSO 004		Active	CSO Storage Tank	Inactive	0.0	
CSO 005		5	E.T.G. Boulevard @ Derby Avenue	West River	Active	5.0		Active	4.8	0.2	CSO 005	CSO 005		Active	CSO Storage Tank	Inactive	0.0	
CSO 005 (A)	5	6	University Place		Active	Discharges to CSO 005 outfall		Active	Discharges to CSO 005 outfall		CSO 005 (A)			Closed	Discharges to CSO 005 Storage Tank	Inactive	0.0	
CSO 005 (B)		7	Elm / University Place		Active	Discharges to CSO 005 outfall		Active	Discharges to CSO 005 outfall		CSO 005 (B)			Closed	Discharges to CSO 005 Storage Tank	Inactive	0.0	
CSO 006	6	8	Whalley Avenue @ Fitch Street	West River	Active	4.6		Active	5.1	-0.5	CSO 006	CSO 006		Active	CSO Storage Tank	Inactive	0.0	
CSO 007	7	9	Munson Street @ Canal Street	Mill River	Closed	0.0		Closed	0.0	0.0	CSO 007			Closed		Closed	0.0	
CSO 008	8	10	Munson Street @ Orchard Street	Beaver Ponds	Active	0.2		Active	0.2	0.0	CSO 008		Scheduled for Closure	Close (2013)	Monitoring Program	Active	0.1	
CSO 009	9	11	Grand Avenue @ James Street	Mill River	Active	2.8		Active	2.5	0.3	CSO 009	CSO 009	I&I Project In Progress	Active	Sewer Separation and Roof Leader Disconnection	Inactive	0.0	
CSO 010	10	12	East Street @ I-91	Mill River	Active	0.7		Sewer Separation	0.3	0.4	CSO 010		Scheduled for Closure	Close (2013)	Monitoring Program	Active	0.3	
CSO 010 (A)		13	East Street @ I-91	Mill River	Active	0.7		Active	0.6	0.1	CSO 010 (A)	R 010 (A)	Sewer Separation in Progress	Active	Monitoring Program	Active	0.5	
CSO 011	11	14	Humphrey Street @ I-91	Mill River	Active	9.9		Active	7.4	2.5	CSO 011	CSO 011	Discharges to CSO 011	Active	CSO Storage Tank	Inactive	0.0	
CSO 012	12	15	Mitchell Drive east of Nicoll Street	Mill River	Active	2.7		Active	1.5	1.2	CSO 012	CSO 012	Sewer Separation in Progress	Active	CSO Storage Tank	Inactive	0.0	
CSO 013		16	Everitt Street @ East Rock Road	Mill River	Active	0.8		Active	0.1	0.7	CSO 013	CSO 013		Active	Monitoring Program	Inactive	0.0	
CSO 013 (A)	13	17	East Rock Road @ Everitt Street		Active	Discharges to CSO 013 outfall		Active	Discharges to CSO 013 outfall		CSO 013 (A)			Closed	Discharges to CSO 013 outfall	Inactive	0.0	
CSO 014	14	18	Trumbull Street @ Orange Street	Mill River	Active	0.9		Active	1.0	-0.1	CSO 014	R 014	Scheduled for Closure	Close (2013)	Sewer Separation / Monitoring Program	Inactive	0.0	
CSO 015	15	19	James Street Siphon	Quinnipiac River	Active	4.6		Active	1.7	2.9	CSO 015	CSO 015	I&I Project In Progress; Tide Gate 2012	Active	Sewer Separation and Roof Leader Disconnection	Inactive	0.0	
CSO 016	16	20	Poplar Street @ River Street	Quinnipiac River	Active	1.7		Active	3.8	-2.1	CSO 016	CSO 016	Tide Gate 2010	Active	Sewer Separation and Roof Leader Disconnection	Inactive	0.0	
CSO 017	17	21	Grand Avenue @ Front Street	Quinnipiac River	Closed	0.0		Closed	0.0	0.0	CSO 017			Closed		Closed	0.0	
CSO 018	18	22	Lombard Street @ North Front Street	Quinnipiac River	Active	1.7		Sewer Separation	0.0	1.7	CSO 018			Closed		Closed	0.0	
CSO 019	19	23	Pine Street @ North Front Street	Quinnipiac River	Active	1.5		Sewer Separation	1.3	0.2	CSO 019	CSO 019		Active	Sewer Separation and Roof Leader Disconnection	Inactive	0.0	
CSO 020	20	24	Quinnipiac Avenue @ Clifton Street	Quinnipiac River	Active	0.2		Active	0.6	-0.4	CSO 020	CSO 020		Active	Monitoring Program	Closed	0.0	
CSO 021	21	25	East Street Pump Station	New Haven Harbor	Active	5.4		Sewer Separation	5.0	0.4	CSO 021	CSO 021	Sewer Separation in Progress; Tide Gate 2013	Active	Major Pump Station Upgrade / Monitoring Program	Active	0.2	
CSO 021 (A)		26	Chapel / Hamilton	New Haven Harbor	Active	Discharges to CSO 021 outfall		Sewer Separation	0.0	0.0	CSO 021 (A)			Closed		Closed	0.0	
CSO 022	22	27	Allen Place	New Haven Harbor	Active	No model data		Sewer Separation	0.0	0.0	CSO 022			Closed		Closed	0.0	
CSO 023	23	28	Chestnut Street @ Water Street	New Haven Harbor	Closed	0.0		Sewer Separation	0.0	0.0	CSO 023			Closed		Closed	0.0	
CSO 024	24	29	Boulevard Pump Station	New Haven Harbor	Active	3.5		Truman Tank	0.6	2.9	CSO 024	CSO 024	Tide Gate 2010	Active	Major Pump Station Upgrade	Inactive	0.0	
CSO 025		30	Union Pump Station	New Haven Harbor	Active	4.2		Sewer Separation	2.5	1.7	CSO 025	CSO 025		Active	Major Pump Station Upgrade / Monitoring Program	Inactive	0.2	
CSO 025 (A)	25	31	Elm / University Place	New Haven Harbor	Active	Discharges to CSO 025 outfall		Sewer Separation	Discharges to CSO 025 outfall		CSO 025 (A)			Closed	Monitoring Program	Inactive	0.0	
CSO 025 (B)		32	Grove / Whitney	New Haven Harbor	Active	Discharges to CSO 025 outfall		Sewer Separation	0.0	0.0	CSO 025 (B)			Closed		Closed	0.0	
CSO 026	26	33	Humphrey Pump Station	Mill River	Active	0.1		Sewer Separation	0.0	0.1	CSO 026	R 026	Discharges to CSO 011	Active	Monitoring Program	Closed	0.0	
CSO 027	27	34	East / Ives	Mill River	Active	0.7		Active	0.5	0.2	CSO 027		Closed CSO	Closed	Close CSO	Closed	0.0	
CSO 028	28	35	Mitchell Pump Station	Mill River	Active	0.0		Active	0.0	0.0	CSO 028	R 028	Discharge to CSO 012	Active		Closed	0.0	
CSO 029	29	36	Barnes Pump Station	Quinnipiac River	Active	0.3		Pump Station Upgrade	0.0	0.3	CSO 029			Closed		Closed	0.0	
CSO 030	30	37	Quinnipiac Pump Station	Quinnipiac River	Active	No model data		Pump Station Upgrade	0.0	0.0	CSO 030			Closed		Closed	0.0	
CSO 031	31	38	South Frontage / Davenport	New Haven Harbor	Active	No model data		Sewer Separation	0.9	No model data	CSO 031		Closed CSO	Closed	Close CSO	Closed	0.0	
CSO 032	32	39	Port Sea / Liberty	New Haven Harbor	Active	No model data		Active	0.0	No model data	CSO 032	R 032	Scheduled for Closure	Close (2013)	Monitoring Program	Closed	0.0	
CSO 033	33	40	Carlisle / Liberty	New Haven Harbor	Active	No model data		Active	0.0	No model data	CSO 033		Closed CSO	Closed	Close CSO	Closed	0.0	
CSO 034	34	41	George / Temple	New Haven Harbor	Active	1.0		Active	0.9	0.1	CSO 034	R 034	Discharge to CSO 025	Active	Monitoring Program	Active	0.8	
CSO 035	35	42	Woodward Pump Station	New Haven Harbor	Active	0.1		Active	0.1	0.0	CSO 035		Closed CSO	Closed	Close CSO	Closed	0.0	
(not assigned)	36	43	Greene Street	New Haven Harbor	Active	No model data		Active	0.0	No model data	(not assigned)	CSO GREENE		Active	Monitoring Program	Closed	0.0	
N/A	37	44	Middletown / Front	Quinnipiac River	Closed	0.0		Closed	0.0	0.0	N/A			Closed		Closed	0.0	
N/A	38	45	State / James	Mill River	Closed	0.0		Closed	0.0	0.0	N/A			Closed		Closed	0.0	
CSO VOLUME (MG)						64.8			50.6	14.2							3	2.1
CSO VOLUME REDUCTION (%)						0%			22%									97%
NUMBER OF ACTIVE CSO REGULATORS					40			33						21			6	
NUMBER OF INACTIVE / CLOSED CSO REGULATORS					5			12						24			39	
NUMBER OF ACTIVE CSO OUTFALLS					33			28						17			5	
NUMBER OF INACTIVE / CLOSED CSO OUTFALLS					5			10						21			37	

LEGEND/NOTES

	DENOTES CSO OUTFALL CURRENTLY INACTIVE/CLOSED
1	DATA OBTAINED FROM 2001 LTCP
2	DATA OBTAINED FROM 2011 FACILITIES PLAN
3	IT IS PROPOSED THAT THE REMAINING 2.1MG OF CSO VOLUME WOULD EITHER BE CAPTURED BY A TANK(S) OR ELIMINATED THROUGH SEPARATION TYPE PROJECT WITHIN EACH RESPECTIVE SEWERSHED. THE FACILITIES PLAN ASSUMES THAT THERE WILL BE BETTER INFORMATION AT THE TIME WE VISIT EACH SEWERSHED AND THAT A COST BENEFIT DETERMINATION WITH THEN BE MADE TO REACH THE GOAL OF ZERO OVERFLOWS DURING A 2-YEAR EVENT. FURTHER CLARIFICATION OF THIS APPROACH CAN BE FOUND IN THE THE LETTER FROM THE AUTHORITY TO DEEP'S GEORGE V. HICKS DATED JUNE 21, 2011 REGARDING THE GHNWPCA LONG TERM CONTROL PLAN UPDATE.

DEFINITIONS

ACTIVE	ACTIVE CSO DURING A 2-YEAR STORM FREQUENCY, SEE NOTE NO. 3
INACTIVE	INACTIVE CSO DURING STORM FREQUENCIES BELOW 2-YEARS
CLOSED	CLOSED - BULKHEADED CSO, CLOSED FOR ALL STORMS